



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: May 21, 2020

Effective Date: May 21, 2020

Expiration Date: May 20, 2025

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 09-00191

Federal Tax Id - Plant Code: 23-1634056-2

Owner Information

Name: BUCKS CNTY WATER & SEW AUTH
Mailing Address: 1275 ALMSHOUSE RD
WARRINGTON, PA 18976-1209

Plant Information

Plant: BUCKS CNTY WATER & SEW AUTH/GREEN ST STP
Location: 09 Bucks County 09808 Doylestown Borough
SIC Code: 4952 Trans. & Utilities - Sewerage Systems

Responsible Official

Name: BENJAMIN JONES
Title: CEO
Phone: (215) 343 - 2538

Permit Contact Person

Name: ERIN RAPP
Title: DIR ENVIR COMPLIANCE
Phone: (215) 343 - 2538 Ext.112

[Signature] _____
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



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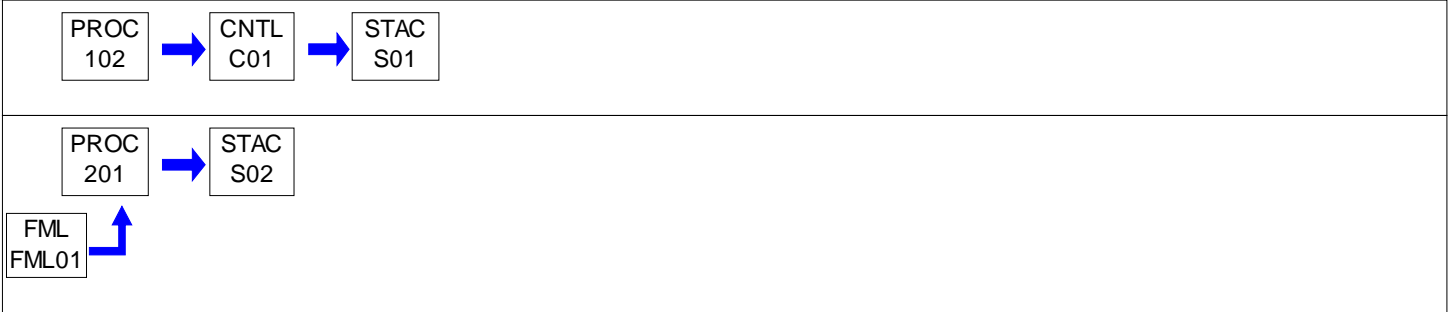
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SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
102	WASTEWATER TREATMENT PLANT (WWTP)	50.000 Th Gal/HR	RAW SEWAGE
201	EMERGENCY GENERATOR SET	29.100 Gal/HR	Diesel Fuel
C01	PACKED BED WET SCRUBBER		
FML01	600-GAL DIESEL FUEL SUB-BASE TANK		
S01	PACKED BED WET SCRUBBER STACK		
S02	EMERGENCY GENERATOR SET STACK		

PERMIT MAPS



**SECTION B. General State Only Requirements****#001 [25 Pa. Code § 121.1]****Definitions.**

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and in 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.446]**Operating Permit Duration.**

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)&(c)]**Permit Renewal.**

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]**Operating Permit Fees under Subchapter I.**

- (a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension,

**SECTION B. General State Only Requirements**

modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).

(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.

(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.

(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund".

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]**Transfer of Operating Permits.**

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]**Inspection and Entry.**

(a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#007 [25 Pa. Code §§ 127.441 & 127.444]**Compliance Requirements.**

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes

**SECTION B. General State Only Requirements**

a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source which is subject to 25 Pa. Code Article III unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued for the source is operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]**Need to Halt or Reduce Activity Not a Defense.**

It shall not be a defense for the permittee in an enforcement action that it was necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#009 [25 Pa. Code §§ 127.442(a) & 127.461]**Duty to Provide Information.**

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]**Revising an Operating Permit for Cause.**

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450 & 127.462]**Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and

**SECTION B. General State Only Requirements**

significant operating permit modifications, under this permit, as outlined below:

(b) Administrative Amendments. The permittee shall make administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall make minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.

#012 [25 Pa. Code § 127.441]**Severability Clause.**

The provisions of this permit are severable, and if any provision of this permit is determined by a court of competent jurisdiction to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#013 [25 Pa. Code § 127.449]**De Minimis Emission Increases.**

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

(b) The Department may disapprove or condition de minimis emission increases at any time.

(c) Except as provided below in (d), the permittee is authorized to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:

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- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
 - (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
 - (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
 - (4) Space heaters which heat by direct heat transfer.
 - (5) Laboratory equipment used exclusively for chemical or physical analysis.
 - (6) Other sources and classes of sources determined to be of minor significance by the Department.
- (e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:
- (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.
 - (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.
 - (3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.
- (g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.
- (h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#014 [25 Pa. Code § 127.3]**Operational Flexibility.**

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)

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(6) Section 127.462 (relating to minor operating permit modifications)

(7) Subchapter H (relating to general plan approvals and general operating permits)

#015 [25 Pa. Code § 127.11]**Reactivation**

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#016 [25 Pa. Code § 127.36]**Health Risk-based Emission Standards and Operating Practice Requirements.**

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

#017 [25 Pa. Code § 121.9]**Circumvention.**

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#018 [25 Pa. Code §§ 127.402(d) & 127.442]**Reporting Requirements.**

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

(c) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given in the permit transmittal letter, or otherwise notified)

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

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records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

#019 [25 Pa. Code §§ 127.441(c) & 135.5]**Sampling, Testing and Monitoring Procedures.**

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

#020 [25 Pa. Code §§ 127.441(c) and 135.5]**Recordkeeping.**

(a) The permittee shall maintain and make available, upon request by the Department, the following records of monitored information:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of any required monitoring data and supporting information for at least five (5) years from the date of the monitoring, sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

#021 [25 Pa. Code § 127.441(a)]**Property Rights.**

This permit does not convey any property rights of any sort, or any exclusive privileges.

#022 [25 Pa. Code § 127.447]**Alternative Operating Scenarios.**

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

**SECTION B. General State Only Requirements****#023 [25 Pa. Code §135.3]****Reporting**

(a) If the facility is a Synthetic Minor Facility, the permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator of a Synthetic Minor Facility may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

#024 [25 Pa. Code §135.4]**Report Format**

If applicable, the emissions reports shall contain sufficient information to enable the Department to complete its emission inventory. Emissions reports shall be made by the source owner or operator in a format specified by the Department.

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

The permittee shall not cause or permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. § 4003).

002 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

The permittee shall ensure that emission into the outdoor atmosphere of fugitive air contaminants does not occur from any source, except for the following:

- (a) construction or demolition of buildings or structures;
- (b) grading, paving, and maintenance of roads and streets;
- (c) use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets;
- (d) clearing of land;
- (e) stockpiling of materials;
- (f) open burning operations, as specified in 25 Pa. Code § 129.14 (see Condition # 007(a)–(g), Section C, of this permit); and
- (g) sources and classes of sources other than those indicated in (a)–(f), above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive air contaminant emissions from the sources, after appropriate controls, meet the following requirements:
 - (1) the emissions are of minor significance with respect to causing air pollution.
 - (2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [25 Pa. Code §123.2]**Fugitive particulate matter**

The permittee shall ensure that emission into the outdoor atmosphere of fugitive particulate matter (PM) from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(g), Section C, of this permit) occurs in such a manner that the emission is not visible at the point it passes outside the person's property.

004 [25 Pa. Code §123.31]**Limitations**

The permittee shall ensure that emission into the outdoor atmosphere of any malodorous air contaminants from any source occurs in such a manner that the malodors are not detectable outside the property of the person on whose land the source is being operated.

005 [25 Pa. Code §123.41]**Limitations**

The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from this facility occurs in such a manner that the opacity of the emission is neither of the following:

- (a) equal to or greater than 20% for a period or periods aggregating more than 3 minutes in any 1 hour; or
- (b) equal to or greater than 60% at any time.

006 [25 Pa. Code §123.42]**Exceptions**

The emission restrictions specified in 25 Pa. Code § 123.41 (see Condition # 005(a)–(b), Section C, of this permit) shall not apply to a visible air contaminant emission in either of the following instances:

- (a) when the presence of uncombined water is the only reason for failure of the emission to meet the restrictions; or
- (b) when the emission results from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(g), Section C, of this permit).

007 [25 Pa. Code §129.14]**Open burning operations**

The permittee shall not perform any open burning activities, except for the following:

- (a) a fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer;

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- (b) a fire set for the purpose of instructing personnel in firefighting, when approved by the Department;
- (c) a fire set for the prevention and control of disease or pests, when approved by the Department;
- (d) a fire set solely for recreational or ceremonial purposes; or
- (e) a fire set solely for cooking food.

II. TESTING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

(a) If, at any time, the Department has cause to believe that air contaminant emissions from any source(s) listed in this permit, may be in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Article III, the permittee shall be required to perform whatever test(s) is deemed necessary by the Department to determine the actual emission rate(s).

(b) The permittee shall perform any test(s) required in (a), above, in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.**# 009 [25 Pa. Code §123.43]****Measuring techniques**

The permittee may measure visible air contaminant emissions using either of the following:

- (a) a device approved by the Department and maintained to provide accurate opacity measurements; or
- (b) observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall monitor this facility, at least once per operating day, for the following:

- (1) odors, which may be objectionable (as per 25 Pa. Code § 123.31; see Condition # 004, Section C, of this permit);
- (2) visible air contaminant emissions (as per 25 Pa. Code §§ 123.41 and 123.42; see Conditions # 005–006, Section C, of this permit, respectively); and
- (3) fugitive air contaminant emissions (as per 25 Pa. Code §§ 123.1 and 123.2; see Conditions # 002–003, Section C, of this permit, respectively).

(b) Objectionable odors, visible air contaminant emissions, and/or fugitive air contaminant emissions that are caused or may be caused by operations at the facility shall:

- (1) be investigated;
- (2) be reported to the facility management, or individual(s) designated by the permittee;
- (3) have appropriate corrective action taken (for emissions that originate on-site); and
- (4) be recorded in a permanent written log.

(c) At the end of 6 months, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to weekly for the next 6-month period.

(d) At the end of the second 6-month period, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

(e) The Department reserves the right to change the above monitoring requirements at any time, based on, but not limited to, the review of complaints, monitoring results, and/or Department findings.

**SECTION C. Site Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.10(b)(1) and 63.6660(a)-(c), and 25 Pa. Code §§ 127.35(b) and 127.443(b).]

The permittee shall maintain all records, reports, and analysis results generated in compliance with the requirements of any section of this permit in accordance with Condition # 020(b), Section B, of this permit, and shall make them available to the Department upon written or verbal request within a reasonable time.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall maintain records of all monitoring of odors, visible air contaminant emissions, and fugitive air contaminant emissions, including deviations from the conditions found in Section C, of this permit. All records of deviations shall include, at a minimum, the following for each incident:

- (1) a description of the deviation;
- (2) the source(s) and/or associated air pollution control device(s) and location(s);
- (3) the duration (including the starting and ending date(s) and times);
- (4) the cause(s); and
- (5) the corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.

(b) The monitoring shall be recorded and maintained in a Department-approved format and time frame.

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain records of all of this facility's emission increases, including the following types, in accordance with 25 Pa. Code § 127.449:

- (a) de minimis emission increases without notification to the Department;
- (b) de minimis emission increases with notification to the Department, via letter;
- (c) emission increases resulting from a Request for Determination of Changes of Minor Significance and exemption from Plan Approval/Operating Permit (RFD) to the Department; and
- (d) emission increases resulting from the issuance of a plan approval and subsequent operating permit.

V. REPORTING REQUIREMENTS.**# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. Part 68.]

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with all applicable provisions of the Clean Air Act, 40 C.F.R. Part 68 (relating to chemical accident prevention provisions), and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) that meets all applicable provisions of Section 112(r) of the Clean Air Act, 40 C.F.R. Part 68, and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act when a regulated substance listed in 40 C.F.R. § 68.130 is present in a process in more than the threshold quantity at this facility. The permittee shall submit the RMP to the EPA according to the following schedule and requirements:

- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
 - (i) Three (3) years after the date on which a regulated substance is first listed in 40 C.F.R. § 68.130.
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 C.F.R. § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with all applicable provisions of 40 C.F.R. Part 68, including a checklist addressing the required elements of a complete RMP.

**SECTION C. Site Level Requirements**

(c) As used in this permit condition, the term "process" shall be as defined in 40 C.F.R. § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances, or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If this facility is subject to any provisions of 40 C.F.R. Part 68, as part of the certification required under this permit, the permittee shall perform the following:

(1) Submit a compliance schedule for satisfying all applicable provisions of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. § 68.10(a).

(2) Certify that the facility is in compliance with all applicable provisions of 40 C.F.R. Part 68 including the registration and submission of the RMP.

(e) If the facility is subject to any provisions of 40 C.F.R. Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for 5 years in accordance with 40 C.F.R. § 68.200.

(f) When the facility is subject to the accidental release program provisions of Section 112(r) of the Clean Air Act and 40 C.F.R. Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 C.F.R. Part 68.

015 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

- (1) Name, permit or authorization number, and location of the facility;
- (2) Nature and cause of the malfunction, emergency or incident;
- (3) Date and time when the malfunction, emergency or incident was first observed;
- (4) Expected duration of excess emissions;
- (5) Estimated rate of emissions; and
- (6) Corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

(e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.

(f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.

**SECTION C. Site Level Requirements**

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

VI. WORK PRACTICE REQUIREMENTS.**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.6(e)(1)(i)–(ii) and 63.6605(b), and 25 Pa. Code §§ 127.35(b) and 127.444.]

The permittee shall ensure that the source(s) and associated air pollution control device(s) listed in this permit, are operated and maintained in a manner consistent with good safety, operating and maintenance, and air pollution control practices, as applicable, and in accordance with the manufacturers' specifications.

017 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air pollution control device(s), if necessary, to reduce the air contaminant emissions to within applicable restrictions, if at any time the operation of a source(s) listed in this permit, is causing the emission of air contaminants in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Article III.

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee may not modify any air contaminant system identified in this permit, prior to obtaining Department approval, except those modifications authorized by Condition # 013(g), Section B, of this permit.

019 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

A person responsible for any source specified 25 Pa. Code § 123.1 shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following

- (a) use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land;
- (b) application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts;
- (c) paving and maintenance of roadways; and
- (d) prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or by other means.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to State Only General Requirements).

IX. COMPLIANCE SCHEDULE.

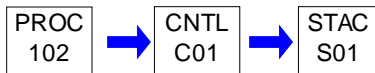
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: WASTEWATER TREATMENT PLANT (WWTP)

Source Capacity/Throughput: 50.000 Th Gal/HR RAW SEWAGE

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of hydrogen sulfide (H₂S) from this WWTP, as measured at the stack (Source ID S01) of the associated packed bed wet scrubber (Source ID C01), occurs in such a manner that the concentration of H₂S in the exhaust gas does not exceed 0.5 ppmv, dry basis.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor the raw sewage flow rate for this WWTP on a daily basis.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall monitor the following operating parameters for the packed bed wet scrubber (Source ID C01) associated with this WWTP, using Department-approved methods:

(a) The following on an operating day basis:

- (1) the pH of the caustic scrubber solution in the first stage tower; and
- (2) the oxidation-reduction potential (ORP) of the bleach scrubber solution in the second stage tower.

(b) The following on an operating day basis:

- (1) the differential pressure across the wet scrubber;
- (2) the concentration of the scrubber solution in the first and second stage towers;
- (3) the recirculation rate of the scrubber solution in the first and second stage towers; and
- (4) the scrubber liquid level in the first and second stage towers.

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of the raw sewage flow rate for this WWTP on a daily basis.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

**SECTION D. Source Level Requirements**

The permittee shall maintain records of the following operating parameters for the packed bed wet scrubber (Source ID C01) associated with this WWTP, using Department-approved methods:

(a) The following on an operating day basis:

- (1) the pH of the caustic scrubber solution in the first stage tower; and
- (2) the oxidation-reduction potential (ORP) of the bleach scrubber solution in the second stage tower.

(b) The following on an operating day basis:

- (1) the differential pressure across the wet scrubber;
- (2) the concentration of the scrubber solution in the first and second stage towers;
- (3) the recirculation rate of the scrubber solution in the first and second stage towers; and
- (4) the scrubber liquid level in the first and second stage towers.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain records of the following information for the packed bed wet scrubber (Source ID C01) associated with this WWTP whenever the low air flow alarm set point is reached:

- (a) the date;
- (b) the differential pressure across the wet scrubber;
- (c) the cause(s); and
- (d) the corrective action(s) taken.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall operate and maintain a pressure gauge to indicate the differential pressure across the packed bed wet scrubber (Source ID C01) associated with this WWTP. The permittee shall maintain the differential pressure across the wet scrubber within the range of 3.5–6.5 inches of water.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The caustic scrubber solution in the first stage tower of the packed bed wet scrubber (Source ID C01) associated with this WWTP shall be maintained at a pH of 9.0 or higher.

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The ORP of the bleach scrubber solution in the second stage tower of the packed bed wet scrubber (Source ID C01) associated with this WWTP shall be maintained at 300 mV or higher.

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The recirculation rates of the scrubber solutions in the packed bed wet scrubber (Source ID C01) associated with this WWTP shall be maintained at or higher than the following:

**SECTION D. Source Level Requirements**

- (a) 50 gals/min for the first stage tower (caustic scrubber solution); and
 (b) 40 gals/min for the second stage tower (bleach scrubber solution).

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that the blower of the packed bed wet scrubber (Source ID C01) associated with this WWTP is equipped with a low air flow alarm. The low air flow alarm shall be set within the air flow range of 3,100–3,150 acfm.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall operate and maintain all equipment necessary to demonstrate compliance with Conditions # 008–010, Section D (under Source ID 102), of this permit.

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

Except when shut down for maintenance, the permittee shall not operate this WWTP or the associated packed bed wet scrubber (Source ID C01) in all instances when the wet scrubber cannot be operated in compliance with Conditions # 007–010, Section D (under Source ID C01), of this permit.

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that the caustic and bleach used in the packed bed wet scrubber (Source ID C01) associated with this WWTP are stored in accordance with good housekeeping practices.

VII. ADDITIONAL REQUIREMENTS.**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) This source consists of a WWTP with a design treatment capacity of 1.2 mmgal/day and 440 mmgal/yr. The WWTP is comprised of various equipment and areas, including the following:

- (1) an influent pump station with grit collection box;
- (2) a bar screen room;
- (3) primary settling tanks;
- (4) a primary effluent pump station wet well;
- (5) a trickling filter;
- (6) three secondary clarifier tanks with associated scum manhole;
- (7) a heavy sludge pump station;
- (8) a rotary screen enclosure;
- (9) two digester tanks;
- (10) a treatment unit;
- (11) chlorine contact; and
- (12) an effluent pump station.

(b) Odor emissions from (a)(1)–(8), above, shall be routed to a packed bed wet scrubber (Source ID C01), model no. DD-71 Triplex, manufactured by Davis Process, Division of U.S. Filter, before exhausting into the outdoor atmosphere¹. The packed bed wet scrubber is comprised of the following equipment:

- (1) Two packed bed wet scrubber towers operating in series, with the following design features:

**SECTION D. Source Level Requirements**

- (i) a countercurrent air/liquid flow; and
 - (ii) multiple passes of the scrubber solution through the air flow.
- (2) an air handling system with induced draft rated at 4,100 acfm;
- (3) recirculating sumps with vertical pumps;
- (4) submersible heaters;
- (5) a multi-component scrubber solution feed system associated with (b)(6), below; and
- (6) chemical storage for continuous operation, including two 1,000-gal HDPE aboveground storage tanks (ASTs), as follows:
- (i) a sodium hydroxide (caustic) AST; and
 - (ii) a sodium hypochlorite (bleach) AST.
- (7) an enclosed control system.

¹ For (a)(1) and (6), only odor emissions from the grit collection box and scum manhole, respectively, are routed to the packed bed wet scrubber.

**SECTION D. Source Level Requirements**

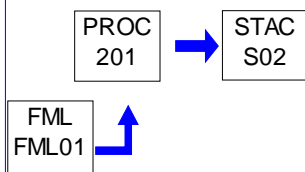
Source ID: 201

Source Name: EMERGENCY GENERATOR SET

Source Capacity/Throughput:

29.100 Gal/HR

Diesel Fuel

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 123.13(c)(1)(i).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from the exempt engine of this emergency generator set occurs in such a manner that the concentration of PM in the exhaust gas does not exceed 0.04 gr/dscf.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall ensure that emission into the outdoor atmosphere of nitrogen oxides (NOx) from the exempt engine of this emergency generator set is less than the following rates:

- (a) 100 lbs/hr;
- (b) 1,000 lbs/day;
- (c) 2.75 tons per ozone season (i.e., the period from May 1–September 30 of each year); and
- (d) 6.6 tons/yr, calculated monthly as a 12-month rolling sum.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall ensure that diesel fuel is the only fuel consumed by the exempt engine of this emergency generator set.
- (b) The sulfur content of the diesel fuel consumed by the engine shall not exceed 0.05%, by weight.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.21(b).]

Operation Hours Restriction(s).**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. § 63.6640(f)(1) and (4)(ii)(A)–(E), and 25 Pa. Code § 127.35(b).]

The permittee shall ensure that the exempt engine of this emergency generator set is operated less than 700 hrs/yr, calculated monthly as a 12-month rolling sum.

II. TESTING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 139.16(1) and (3).]

**SECTION D. Source Level Requirements**

(a) The following requirements are applicable to the diesel fuel consumed by the exempt engine of this emergency generator set:

(1) the fuel sample shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the permittee shall collect the sample employing the procedures and equipment specified in ASTM International (ASTM) Standard D4057 or D4177, as appropriate; and

(2) unless an alternative method(s) is approved by the Department, in writing, only ASTM standard D129, D1266, D1552, D2622, or D4294 may be used to determine the sulfur content of the diesel fuel.

(b) The testing requirements indicated in (a)(1)–(2), above, shall be waived for a given shipment of diesel fuel in the event that the permittee obtains either a laboratory analysis or other certification (e.g., delivery receipt) from the fuel supplier indicating the sulfur content or maximum sulfur content of the diesel fuel.

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following operating parameters for the exempt engine of this emergency generator set:

- (a) the hours of operation, on an operating day basis; and
- (b) the amount of diesel fuel consumed (gallons) on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following operating parameters for the exempt engine of this emergency generator set:

- (a) the hours of operation, on an operating day, monthly, calendar-year, and 12-month rolling basis;
- (b) the amount of diesel fuel consumed (gallons) on a monthly basis, calculated using a Department-approved method.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the corresponding laboratory analysis or other certification from the fuel supplier for each shipment of diesel fuel received for the exempt engine of this emergency generator set. The laboratory analysis or other certification shall specify the sulfur content or maximum sulfur content of the diesel fuel.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the manufacturer's emission-related written instructions (or operating manual) for the exempt engine of this emergency generator set.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.10(b)(1), 63.6625(i), and 63.6655(a)(1) and (4); and 25 Pa. Code § 127.35(b).]

The permittee shall maintain records of the following for the exempt engine of this emergency generator set:

- (a) All notifications required to comply with all applicable provisions of 40 C.F.R. Part 63, Subpart ZZZZ (along with all supporting documentation).
- (b) All maintenance performed. These records shall contain, at a minimum, the following:
 - (1) the date and time of the maintenance;
 - (2) the reading on the hour-meter of the emergency generator set; and
 - (3) the type of maintenance performed.

(c) All oil analyses performed as part of the oil analysis program specified in Condition # 014(b)(1)–(4), Section D (under

**SECTION D. Source Level Requirements**

Source ID 201), of this permit. These records shall contain, at a minimum, the following for each oil analysis:

- (1) the date that the oil analysis is performed;
- (2) the parameters analyzed;
- (3) the date that the results of the oil analysis are received; and
- (4) the results of the analysis.

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain records of the total NO_x emissions from the exempt engine of this emergency generator set on a monthly, ozone season, and 12-month rolling basis, calculated using a Department-approved method(s).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.6625(e)(2) and 63.6640(a) and 25 Pa. Code §§ 127.35(b) and 127.444.]

(a) The permittee shall ensure that the exempt engine of this emergency generator set is operated and maintained in accordance with the manufacturer's emission-related written instructions.

(b) The permittee shall not change any emission-related settings on the engine.

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. § 63.6625(f) and 25 Pa. Code § 127.35(b).]

The permittee shall operate and maintain a non-resettable hour meter for this emergency generator set.

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.6602, 63.6605(a), and 63.6625(h)–(i); and 25 Pa. Code § 127.35(b).]

(a) The permittee shall ensure that the exempt engine of this emergency generator set is operated and maintained in accordance with the following practices:

- (1) the amount of time spent at idle during startup is minimized;
- (2) the total amount of startup time is minimized to that needed to ensure appropriate and safe loading of the engine, but no greater than 30 minutes;
- (3) except as specified in (b)(3), below, the oil and filter are changed every 1,000 hours of operation or on an annual basis, whichever comes first;
- (4) the air cleaner is inspected every 1,000 hours of operation or on an annual basis, whichever comes first; and
- (5) all hoses and belts are inspected every 500 hours of operation or on an annual basis, whichever comes first, and replaced as necessary.

(b) The permittee may utilize an oil analysis program in order to extend the period for changing the oil in the engine, as specified in (a)(3), above, as follows:

- (1) the oil analysis shall be performed at the same frequency as specified in (a)(3), above, for changing the oil;
- (2) the oil analysis shall be performed for at least the following parameters, so that compliance with the following condemning limits can be determined:
 - (i) total acid number: Increases by greater than 3.0 milligrams of potassium hydroxide (KOH) per gram from the Total Acid

**SECTION D. Source Level Requirements**

Number of the oil when new;

- (ii) viscosity: Changed by greater than 20% from the viscosity of the oil when new; and
- (iii) percent water (by volume): Greater than 0.5.

(3) If none of the condemning limits specified in (b)(2)(i)–(iii), above, are exceeded, the permittee is not required to change the oil.

(4) If any of the condemning limits specified in (b)(2)(i)–(iii), above, are exceeded, the permittee shall change the oil within 2 business days after receiving the results of the analysis, or before commencing operation, whichever is later.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate the total NOx emissions (either actual or worst-case) from the exempt engine of this emergency generator set on a monthly, ozone season, and 12-month rolling basis, using a Department-approved method.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Additional authority for this permit condition is also derived from 40 C.F.R. § 63.6625(f) and 25 Pa. Code § 127.35(b).]

(a) The permittee shall operate this emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 63.6640(f).

(b) If the permittee does not operate this engine according to the requirements of 40 C.F.R. Section 63.6640(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 63 Subpart ZZZZ and must meet all requirements for nonemergency engines.

VII. ADDITIONAL REQUIREMENTS.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a six-cylinder, diesel fuel-fired, 605 hp Cummins engine (model no. NTA855-G5) powering a Onan generator capable of producing 400kW.

The engine has a displacement of 2.33 liters per cylinder (14 liters total).

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The exempt engine of this emergency generator set, as specified in Condition # 016(b), Section D (under Source ID 201), of this permit, is subject to, and shall comply with all applicable provisions of, 40 C.F.R. Part 63, Subpart ZZZZ. In accordance with 40 C.F.R. § 63.13, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. The EPA copies shall be forwarded to:

Associate Director
Office of Air Enforcement and Compliance Assistance (3AP20)
U.S. EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029



SECTION E. Source Group Restrictions.

No Source Groups exist for this permit.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this permit.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
102	WASTEWATER TREATMENT PLANT (WWTP)		
Emission Limit		Pollutant	
0.500	PPMV	Dry Basis	Hydrogen Sulfide
201	EMERGENCY GENERATOR SET		
Emission Limit		Pollutant	
2.750	Tons/OZNESEAS	From the Exempt Engine	NOX
6.600	Tons/Yr	12-Month Rolling Sum, Calculated Monthly; From the Exempt Engine	NOX
100.000	Lbs/Hr	From the Exempt Engine	NOX
1,000.000	Lbs/Day	From the Exempt Engine	NOX
0.040	gr/DRY FT3	From the Exempt Engine	TSP

Site Emission Restriction Summary

Emission Limit	Pollutant
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**SECTION H. Miscellaneous.**

- (a) The plant address is: 360 Green Street, Doylestown, PA 18901.
- (b) The following previously-issued documents serve as the basis for certain terms and conditions set forth in this permit:
- (1) Operating Permit No. 09-399-045.
 - (2) Request for Determination of Requirement for Plan Approval/Operating Permit No. 09-A01-827.
- (c) This permit (APS ID 589117, Auth ID 944712) is a renewal of State Only Operating Permit No. 09-00191, which was originally issued on March 13, 2008 (APS ID 589117, Auth ID 640408). The following is a listing of the changes reflected in this permit:

- (1) The title of the responsible official has been changed from "CEO & Executive Director" to "CEO."
- (2) The permit contact person has been changed to John Butler, COO, (215) 343-2538.
- (3) The source names for the following source, fuel material location, and emission point in Sections A, D, and F, of the original permit (same locations in this permit), where applicable, have been changed (<added to source name>):

Source ID	Source Name
102	Emergency Generator <Set>
FML01	600-Gal Diesel Fuel Sub-Base <Tank>
S02	Emergency Generator <Set> Stack

- (4) A rated power output listing for the exempt engine of the emergency generator set has been added to Sections A and D (under Source ID 201), of this permit.
- (5) Exceptions for emission into the outdoor atmosphere of fugitive air contaminants from blasting in pit mines and from coke oven batteries have been added to Condition # 002, Section C, of the original permit (same condition number in this permit), as Sub-conditions (g)–(h), respectively.
- (6) Exceptions for open burning operations in conjunction with the production of agricultural commodities in their unmanufactured state, and for the purpose of burning domestic refuse, have been added to Condition # 007, Section C, of the original permit (same condition number in this permit), as Sub-conditions (d)–(e), respectively.
- (7) The following for Condition # 010, Section C, of the original permit (same condition number in this permit):
 - (i) The following for Sub-condition (a):
 - (A) The reference to the Department has been removed from Sub-condition (a)(1).
 - (B) References to conditions containing applicable requirements for objectionable odors, visible air contaminant emissions, and fugitive air contaminant emissions have been added to Sub-conditions (a)(1)–(3), respectively.
 - (ii) A requirement to have appropriate corrective action taken for emissions that originate on-site has been added as Sub-condition (b)(3).
 - (iii) Statements that, at the end of 6 months, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to weekly and monthly, have been added as Sub-conditions (c) and (d), respectively.
- (8) Additional authority citations to 40 C.F.R. §§ 63.10(b)(1) and 63.6660(a)–(c), and 25 Pa. Code § 127.35(b), have been added to Condition # 011, Section C, of the original permit (Condition # 012, Section C, of this permit).
- (9) Conditions # 014, 016, and 018–020, Section C, of the original permit, have been removed.
- (10) The following for Condition # 015, Section C, of the original permit (Condition # 014, Section C, of this permit):
 - (i) Additional authority citations to 40 C.F.R. § 63.6655(a)(2) and (5) and 25 Pa. Code § 127.35(b) have been added.

**SECTION H. Miscellaneous.**

(ii) Requirements for the written report of each malfunction to include the duration of, and any actions taken to minimize emissions from, the malfunction, have been added as part of Sub-conditions (c)(3) and (6), respectively.

(11) The following for Condition # 023, Section C, of the original permit (Condition # 016, Section C, of this permit):

(i) Additional authority citations to 40 C.F.R. §§ 63.6(e)(1)(i)–(ii) and 63.6605(b), and 25 Pa. Code §§ 127.35(b) and 127.444, have been added.

(ii) The language has been changed to also require operation and maintenance in a manner consistent with good safety practices.

(12) The following for Conditions # 003(a)–(b) and 004(a)–(d), Section D (under Source ID 102), of the original permit:

(i) They have been merged/reorganized as Condition # 003(a)(1)–(2) and (b)(3), (1), (2), and (4), Section D (under Source ID 102), of this permit, respectively.

(ii) The term "flow rate," as indicated in Condition # 004(a), Section D (under Source ID 102), of the original permit, has been changed to the term "recirculation rate."

(13) The following for Conditions # 006(a)–(b) and 007(a)–(d), Section D (under Source ID 102), of the original permit:

(i) They have been merged/reorganized as Condition # 005(a)(1)–(2) and (b)(3), (1), (2), and (4), Section D (under Source ID 102), of this permit, respectively.

(ii) The term "flow rate," as indicated in Condition # 007(a), Section D (under Source ID 102), of the original permit, has been changed to the term "recirculation rate."

(14) Condition # 010, Section D (under Source ID 102), of the original permit, has been removed.

(15) A requirement to maintain the ORP of the bleach scrubber solution in the second stage tower of the packed bed wet scrubber (Source ID C01) associated with the WWTP at a minimum of 300 mV has been added as Condition # 009, Section D (under Source ID 102), of this permit.

(16) The citation for Condition # 001, Section D (under Source ID 201), of the original permit (same condition number in this permit), has been changed from 25 Pa. Code § 123.13 to 25 Pa. Code § 127.441 (with an additional authority citation to 25 Pa. Code § 123.13(c)(1)(i)).

(17) Conditions # 002, 007(c), and 008, Section D (under Source ID 201), of the original permit, have been removed.

(18) The following for Condition # 004, Section D (under Source ID 201), of the original permit (Condition # 003, Section D (under Source ID 201), of this permit):

(i) The additional authority citation to 25 Pa. Code § 123.22(e)(2) has been removed.

(ii) Streamlining language for 25 Pa. Code § 123.21(b) has been added.

(19) The following for Condition # 005, Section D (under Source ID 201), of the original permit (Condition # 004, Section D (under Source ID 201), of this permit):

(i) Additional authority citations to 40 C.F.R. § 63.6640(f)(1)–(2) and (4)(ii)(A)–(E), and 25 Pa. Code § 127.35(b) have been added.

(ii) Operating hours restrictions for the exempt engine of the emergency generator set of equal to or less than 50 hours per calendar year for certain non-emergency situations, and equal to or less than 100 hours per calendar year for maintenance, emergency demand response, deviation in voltage or frequency, and certain non-emergency situations, have been added as Sub-conditions (b)(1)–(4) and (c)(1)–(4), respectively.

(20) The following for Condition # 006, Section D (under Source ID 201), of the original permit (Condition # 005, Section D (under Source ID 201), of this permit):

**SECTION H. Miscellaneous.**

- (i) The citation has been changed from 25 Pa. Code § 139.16 to 25 Pa. Code § 127.441 (with an additional authority citation to 25 Pa. Code § 139.16(1) and (3)).
- (ii) The test methods for collecting a sample of the diesel fuel consumed by the exempt engine of the emergency generator set and determining its sulfur content, as indicated in Sub-condition (a)(1)–(2), respectively, have been updated.
- (21) A requirement to monitor the type of operation for the exempt engine of the emergency generator set has been added to Condition # 007, Section D (under Source ID 201), of the original permit (Condition # 006, Section D (under Source ID 201), of this permit), as Sub-condition (b).
- (22) The following for Condition # 009, Section D (under Source ID 201), of the original permit (Condition # 007, Section D (under Source ID 201), of this permit):
- (i) Frequencies of maintaining records of the hours of operation for the exempt engine of the emergency generator set on a monthly, calendar-year, and 12-month rolling basis, have been added to Sub-condition (a).
- (ii) Sub-condition (c) has been reorganized as Condition # 011, Section D (under Source ID 201), of this permit.
- (iii) A requirement to maintain records of the type of operation for the exempt engine has been added as Sub-condition (b).
- (23) A statement that the laboratory analyses or fuel supplier's certifications for the diesel fuel received for the exempt engine of the emergency generator set shall specify the sulfur content or maximum sulfur content of the diesel fuel, has been added to Condition # 010, Section D (under Source ID 201), of the original permit (Condition # 008, Section D (under Source ID 201), of this permit).
- (24) A requirement to maintain records of the manufacturer's emission-related written instructions (or operating manual) for the exempt engine of the emergency generator set has been added as Condition # 009, Section D (under Source ID 201), of this permit.
- (25) Requirements to maintain records of all notifications required to comply with all applicable provisions of 40 C.F.R. Part 63, Subpart ZZZZ; all maintenance performed; and all oil analyses performed for the exempt engine of the emergency generator set, have been added as Condition # 010(a)–(c), Section D (under Source ID 201), of this permit, respectively.
- (26) Requirements to ensure that the exempt engine of the emergency generator set is operated and maintained in accordance with the manufacturers' emission-related written instructions, and to not change any emission-related settings on the exempt engine, have been added as Condition # 012(a)–(b), Section D (under Source ID 201), of this permit, respectively.
- (27) A requirement to operate and maintain a non-resettable hour meter for the emergency generator set has been added as Condition # 013, Section D (under Source ID 201), of this permit.
- (28) A requirement to ensure that the exempt engine of the emergency generator set is operated and maintained in accordance with certain work practices, and requirements for an oil analysis program that may be utilized to extend the period for changing the oil in the exempt engine, have been added as Condition # 014(a)–(b), Section D (under Source ID 201), of this permit, respectively.
- (29) A requirement to calculate the total NO_x emissions from the exempt engine of the emergency generator set on a monthly, ozone season, and 12-month rolling basis, has been added as Condition # 015, Section D (under Source ID 201), of this permit.
- (30) A statement that the exempt engine of the emergency generator set is subject to, and shall comply with all applicable provisions of, 40 C.F.R. Part 63, Subpart ZZZZ, has been added as Condition # 017, Section D (under Source ID 201), of this permit.
- (31) The sulfur oxides (SO_x) emission concentration restriction for the emergency generator set, as specified in Section F (under Source ID 201), of the original permit, has been removed.
- (d) May 2020. Permit Renewal. APS: 589117, Auth: 1231640. No new regulations and no change in sources.



***** End of Report *****
